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(54) **DETERMINATION OF THROMBIN ACTIVITY AND AGGREGATION REAGENT**

at 600nm wavelength to enable the easy and quick determination of thrombin activity.

(57) Abstract:

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PROBLEM TO BE SOLVED: To easily and accurately determine the thrombin activity in a specimen in a short time without using troublesome operations independently of the presence of the other biocomponents by reacting the specimen with an insoluble carrier supporting fibrinogen and determining the aggregation amount of the carrier.

SOLUTION: An insoluble carrier supporting fibrinogen is produced by diluting styrene-glycidyl methacrylate copolymer particles having an average particle diameter of 0.23 μ m with a 0.05M boric acid borax buffer solution of pH 8.2, adding fibrinogen dissolved in a buffer solution to the obtained latex suspension, agitating the mixture at 25°C for 1hr, adding a bovine serum albumin solution, agitating for 4hr, subjecting to centrifugal separation and collecting the precipitate. The obtained insoluble carrier supporting fibrinogen is suspended in a 0.1M tris-HCl buffer solution of pH 7.5, the suspensions is made to react with a specimen such as blood plasma and the aggregation amount of the carrier is determined by measuring the change in the extinction

